

ABSTRACT

[0052] According to the present invention, a one-way, bi-directional clutch, includes an outer casing, an input shaft, an output shaft and a brake assembly. The input shaft has an integral release cam means and the output shaft has an integral locking cam means. The brake assembly includes a release cam means that is complimentary to the release cam means of the input shaft, a locking cam means that is complimentary to the locking cam means of the output shaft, and at least one brake pad. The complimentary release cam means of the input shaft and brake assembly are operable to move the brake assembly to a release position when the sufficient torque is applied to the input shaft. The locking cam is operable to move the one or more brake pads to the brake position when the sufficient torque applied to the output shaft.